

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-3. (Canceled)

4. (Currently Amended) ~~The fuse module as defined in claim 3~~ A fuse module for supplying power from a common power supply to a plurality of power input sections of a circuit assembly through respective fuse elements, the fuse module comprising:

a branch-connection conductor having an input terminal adapted to be connected to said power supply, and a plurality of fuse-connection terminals disposed correspondingly to said respective power input sections;

a plurality of power-input conductors adapted to be electrically connected to a corresponding one of said power input sections, and each having a fuse-connection terminal disposed in a pair with a corresponding one of the fuse-connection terminals of said branch-connection conductor; and

an insulation housing holding said branch-connection conductor and said power-input conductor, said insulation housing being formed with a plurality of fuse-installation portions for allowing said respective fuse elements to be detachably installed therein in such a manner that each of said fuse elements is connected to the fuse-connection terminal of said branch-connection conductor and the corresponding fuse-connection terminal of said power-input conductor to be interposed between said fuse-connection terminals of the each pair,

wherein said circuit assembly has a plurality of bus bars including a plurality of input bus bars corresponding to said power input sections, said bus bars being arranged to form a power circuit, wherein each of said power-input conductors is provided with a press-fit portion as the electric-connection portion, the press-fit portion adapted to be press-fitted into

a through-hole formed in a corresponding one of said input bus bars to be electrically connected to said input bus bar.

5. (Canceled)

6. (Currently Amended) ~~The fuse module as defined in claim 1, which includes~~
A fuse module for supplying power from a common power supply to a plurality of power input sections of a circuit assembly through respective fuse elements, the fuse module comprising:

a branch-connection conductor having an input terminal adapted to be connected to said power supply, and a plurality of fuse-connection terminals disposed correspondingly to said respective power input sections;

a plurality of power-input conductors adapted to be electrically connected to a corresponding one of said power input sections, and each having a fuse-connection terminal disposed in a pair with a corresponding one of the fuse-connection terminals of said branch-connection conductor; and

an insulation housing holding said branch-connection conductor and said power-input conductor, said insulation housing being formed with a plurality of fuse-installation portions for allowing said respective fuse elements to be detachably installed therein in such a manner that each of said fuse elements is connected to the fuse-connection terminal of said branch-connection conductor and the corresponding fuse-connection terminal of said power-input conductor to be interposed between said fuse-connection terminals of the each pair, the fuse module further comprising:

a power-connection conductor having a fuse-connection terminal, and an input terminal adapted to be connected to an additional power supply other than said power supply to be connected to the input terminal of said branch-connection conductor, wherein:

a specific one of said power-input conductors is associated with said power-connection conductor and adapted to be electrically connected to a specific one of said power input sections, said specific power-input conductor having an end formed with a fuse-connection terminal; and

said insulation housing holds said power-connection conductor and said specific power-input conductor, said insulation housing being formed with a fuse-installation portion for allowing one of said fuse elements to be detachably installed therein in such a manner that said fuse element is connected to the fuse-connection terminal of said power-connection conductor and the fuse-connection terminal of said specific power-input conductor, and interposed between said two fuse-connection terminals.

7. (Original) The fuse module as defined in claim 6, wherein said branch-connection conductor and said power-connection conductor are disposed such that the fuse-connection terminals formed in said branch-connection conductor and the fuse-connection terminal formed in said power-connection conductor are aligned approximately in a line.

8. (Currently Amended) ~~The fuse module as defined in claim 1, which includes:~~ A fuse module for supplying power from a common power supply to a plurality of power input sections of a circuit assembly through respective fuse elements, the fuse module comprising:

a branch-connection conductor having an input terminal adapted to be connected to said power supply, and a plurality of fuse-connection terminals disposed correspondingly to said respective power input sections;

a plurality of power-input conductors adapted to be electrically connected to a corresponding one of said power input sections, and each having a fuse-connection terminal disposed in a pair with a corresponding one of the fuse-connection terminals of said branch-connection conductor; and

an insulation housing holding said branch-connection conductor and said power-input conductor, said insulation housing being formed with a plurality of fuse-installation portions for allowing said respective fuse elements to be detachably installed therein in such a manner that each of said fuse elements is connected to the fuse-connection terminal of said branch-connection conductor and the corresponding fuse-connection terminal of said power-input conductor to be interposed between said fuse-connection terminals of the each pair, the fuse module further comprising:

an output conductor adapted to be connected to a power output section provided in said circuit assembly, said output conductor having an end formed with a fuse-connection terminal; and

an external-output conductor having a fuse-connection terminal, and an external-output terminal adapted to be connected to an external circuit, wherein;

said insulation housing holds said output conductor and said external-output conductor, said insulation housing being formed with a fuse-installation portion for allowing one of said fuse elements to be detachably installed therein in such a manner that said fuse element is connected to the fuse-connection terminal of said output conductor and the fuse-connection terminal of said corresponding external-output conductor to be interposed between said two fuse-connection terminals.

9. (Currently Amended) The fuse module as defined in claim 8, wherein said circuit assembly has a plurality of bus bars including an output bus bar corresponding to said power output section, said bus bars being arranged to form a power circuit, wherein said output bus bar has an end which is formed with said fuse-connection terminal and held within said insulation housing to serve as said ~~power-output~~ output conductor.

10. (Currently Amended) The fuse module as defined in claim 8, wherein said ~~power-output~~ output conductor has an electric-connection portion protruding outside said

insulation housing to be electrically connected to the power output section of said circuit assembly.

11. (Canceled)

12. (Currently Amended) ~~The fuse module as defined in claim 11,~~ A fuse module for supplying power from a common power supply to a plurality of power input sections of a circuit assembly through respective fuse elements, the fuse module comprising:

a branch-connection conductor having an input terminal adapted to be connected to said power supply, and a plurality of fuse-connection terminals disposed correspondingly to said respective power input sections;

a plurality of power-input conductors adapted to be electrically connected to a corresponding one of said power input sections, and each having a fuse-connection terminal disposed in a pair with a corresponding one of the fuse-connection terminals of said branch-connection conductor; and

an insulation housing holding said branch-connection conductor and said power-input conductor, said insulation housing being formed with a plurality of fuse-installation portions for allowing said respective fuse elements to be detachably installed therein in such a manner that each of said fuse elements is connected to the fuse-connection terminal of said branch-connection conductor and the corresponding fuse-connection terminal of said power-input conductor to be interposed between said fuse-connection terminals of the each pair,

wherein said branch-connection conductor includes:

a direct-connection portion adapted to be electrically connected directly to a specific one of said power input sections in said circuit assembly without interposition of said fuse element, and

~~wherein said branch-connection conductor includes~~ an inter-terminal portion extending in a direction parallel to an arranging direction of said fuse-installation portions in said insulation housing so as to pass through between said fuse-connection terminals of said pair disposed at a specific one of said fuse-installation portions of said insulation housing, wherein said direct-connection portion extends from said inter-terminal portion toward said specific power input section.

13. (Canceled)

14. (Currently Amended) ~~The fuse module-equipped circuit assembly as defined in claim 13;~~ A fuse module-equipped circuit assembly comprising a fuse module and a circuit assembly, the fuse module supplying power from a common power supply to a plurality of power input sections of said circuit assembly through respective fuse elements,

the fuse module comprising:

a branch-connection conductor having an input terminal adapted to be connected to said power supply, and a plurality of fuse-connection terminals disposed correspondingly to said respective power input sections;

a plurality of power-input conductors adapted to be electrically connected to a corresponding one of said power input sections, and each having a fuse-connection terminal disposed in a pair with a corresponding one of the fuse-connection terminals of said branch-connection conductor; and

an insulation housing holding said branch-connection conductor and said power-input conductor, said insulation housing being formed with a plurality of fuse-installation portions for allowing said respective fuse elements to be detachably installed therein in such a manner that each of said fuse elements is connected to the fuse-connection terminal of said branch-connection conductor and the corresponding fuse-connection terminal

of said power-input conductor to be interposed between said fuse-connection terminals of the each pair,

wherein each of the power-input conductors of said fuse module is electrically connected to a corresponding one of said power input sections,

~~wherein said the~~ circuit assembly ~~includes~~ comprising a current-detection bus bar provided with an input terminal and an output terminal between which a detection-target current is allowed to flow, at least one of said input and output terminals being held in said insulation housing.

15. (Original) The fuse module-equipped circuit assembly as defined in claim 14, wherein said insulation housing holds the output terminal of said current-detection bus bar and the input terminal of said branch-connection conductor in a state that the output terminal and the input terminal are superimposed on each other.

16. (Currently Amended) A fuse-module mounting structure for mounting the fuse module as defined in ~~claim 1,~~ claim 4 to a vehicle, wherein the input terminal of said branch-connection conductor is fixed to a vehicle-mounted device or a vehicle body, while superimposed on a circuit-connection bus bar for connecting a power supply connected to said input terminal to another vehicle-mounted circuit.

17. (New) A fuse module mounting structure for mounting the fuse module as defined in claim 8 to a vehicle, wherein the input terminal of said branch-connection conductor is fixed to a vehicle-mounted device or a vehicle body, while superimposed on a circuit-connection bus bar for connecting a power supply connected to said input terminal to another vehicle-mounted circuit.

18. (New) A fuse module mounting structure for mounting the fuse module as defined in claim 12 to a vehicle, wherein the input terminal of said branch-connection conductor is fixed to a vehicle-mounted device or a vehicle body, while superimposed on a

circuit-connection bus bar for connecting a power supply connected to said input terminal to another vehicle-mounted circuit.

19. (New) A fuse module mounting structure for mounting the fuse module as defined in claim 14 to a vehicle, wherein the input terminal of said branch-connection conductor is fixed to a vehicle-mounted device or a vehicle body, while superimposed on a circuit-connection bus bar for connecting a power supply connected to said input terminal to another vehicle-mounted circuit.